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6-2-04

United States Environmental Protection Agency
Region 5
POLLUTION REPORT

Date: Wednesday, June 02, 2004
From: Verneta J. Simon, OSC

Subject: #1 & Final POLREP
Lindsay Light II Site OU 01
227 East Grand Avenue, Chicago, IL

POLREP No.:	1	**Site #:**	O5YT
Reporting Period:		**D.O. #:**	
Start Date:	5/17/2004	**Response Authority:**	
Mob Date:		**Response Type:**	
Completion Date:	5/25/2004	**NPL Status:**	Non NPL
CERCLIS ID #:		**Incident Category:**	
RCRIS ID #:		**Contract #**	

Site Description
The Grand Pier sidewalk is located on the west side of Columbus Drive between Illinois Street and Grand Avenue in Chicago, Illinois. This sidewalk was considered part of an earlier U.S. EPA ordered responsible party clean-up called Lindsay Light II OU 01/RV3 North Columbus Drive/Grand Pier. Facing serious financial issues, the original developer asked to delay remediation of the contamination beneath the sidewalk and U.S. EPA agreed. U.S. EPA originally approved the workplan for this sidewalk remediation on April 11, 2001, however, the work under this approved workplan was not performed until May 2004.

During May 17-25, 2004, approximately 105 cubic yards of radioactively contaminated material located beneath the sidewalk was excavated and shipped to Envirocare of Utah. Three samples collected prior to truck loading had total radium concentrations of 85.07 picoCuries per gram (pCi/g), 173.61 pCi/g, and 473.68 pCi/g. Prior to truck loading, count rates detected by the responsible party were as high as 211,000 counts per minute (cpm) for soil underneath the sidewalk. The clean-up criteria for this site is 7.1 pCi/g total radium and corresponds to a count rate of about 7,000 cpm. The excavation was approximately 46' x 10' x 8'.

Key Issues
This remediation was limited to the sidewalk between the Grand Pier Superstructure and the curb line. The approximate location of this remediation was the middle of Columbus Drive, specifically, 95' from the corner of Columbus Drive and Grand Avenue and 95' from the corner of Columbus Drive and Illinois Street.

Gamma readings detected in this excavation demonstrated contamination extended into a traffic lane of Columbus Drive (East wall of the excavation) in at least two places. These two

places had the highest readings for remaining contamination and are about 3 feet below street level. These places have been delineated by plywood between the latest backfill and remaining contamination. A sample taken from the east wall, which was not removed, had a count rate of 150,000 cpm with a shielded sodium iodide probe (7,000 cpm = 7.2 pCi/g).

Results of this remediation will be reported to the City of Chicago Department of Environment as part of the right-of-way permit requirement. In addition, a formal report will be sent to U.S. EPA. It might be prudent for the City of Chicago to not allow any utilities to be placed on the west side of Columbus Drive given the contamination we now know exists east of the curb.

The present status of the electrical conduit along the west side of Columbus Drive is not clearly known, but during this remediation the conduit that had been reported prior to excavation to be "dead," was found to "live." Fortunately, no serious injury resulted.

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
Intramural Costs				
Total Site Costs	$0.00	$0.00	$0.00	0.00%

* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

Disposition of Wastes

Approximately 105 cubic yards of thorium-contaminated soil was excavated and shipped to the Envirocare Facility in Clive, Utah for disposal.